

Comparisons of Job Characteristics

Focus Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Associated Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Associated Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Production and Processing	6.0	15.7	8.6	<<	Extensive education and/or training may be required
Mechanical	6.8	13.1	7.3	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	10.9	6.4	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Associated Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	13.7	11.8	<	A higher skill level may be required
Operation and Control	5.4	9.7	12.0	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 78

Focus Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)
Associated Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	10.8	11.0	0	Current ability level may be sufficient
Selective Attention	8.7	10.3	11.4	>	Current ability level is likely sufficient
Perceptual Speed	7.4	9.7	10.0	0	Current ability level may be sufficient
Reaction Time	4.8	9.3	11.6	>	Current ability level is likely sufficient
Extent Flexibility	4.8	8.2	8.4	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	7.1	3.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)
Associated Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Clean equipment or machinery	20
Examine products or work to verify conformance to specifications	15
Load or unload material or workpiece into machinery	34
Maintain or repair industrial or related equipment/machinery	39
Maintain production or work records	19
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Operate metal or plastic fabricating equipment/machinery	54
Read work order, instructions, formulas, or processing charts	9
Test manufactured products or materials	64
Understand technical operating, service or repair manuals	6
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)
Associated Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.